

Sean Lidy

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OBJECTIVE: Seeking a software engineering co-op using strong programming skills in Python, Java, and C.
Available May – December 2025

EDUCATION

Rochester Institute of Technology (RIT)

BS/MS in Software Engineering **GPA: 3.51**

Expected December 2028

LANGUAGES & TOOLS

Programming Languages: Java, Python, C, JavaScript, Lua, CSS, HTML

Technologies: Pandas, Numpy, OpenCV, Selenium, Junit, SpringBoot, Mockito, Postgresql, psycopg2, React, Windows, Arch Linux, Vim, Slack, Trello

EXPERIENCE

Alliance RV - Seasonal Intern

June 2023 - August 2023

- Created a bespoke sales data visualization tool in Python using Mapbox and Bing's Geocoding API.
- Developed and successfully deployed the tool on Windows Server in an accelerated time frame.

PROJECTS

Web Engineering Fullstack Project

August 2024 - December 2024

- Developing proficiency in psycopg2 with Postgresql, Python based REST APIs, TypeScript and React.
- Implementing architecture for a full stack project based solely on given requirements.
- Utilizing Relational Databases, improved api design skills, and practiced frontend implementation.

cf-pack-export-to-md [0mega24/cf-pack-export-to-md](#)

April 2024

- Used Selenium and Beautiful Soup to create a web scraping tool for the aggregation of export data.
- Automated the conversion of non-human readable files into a customizable format for flexible documentation.

Software Engineering Dotfiles [0mega24/se-dotfiles](#)

January 2024

- Automated the installation and updating of third party applications on GCCIS servers to improve productivity.
- Pulls and builds the most up-to-date versions of tools including a terminal multiplexor and task manager.
- Created in Shell Script and hosted on Git for easy installation on terminal only Linux machines.

Color Parsing [0mega24/CSHacks](#)

September 2023

- A python TUI tool designed to isolate and sort the unique colors in an image.
- Used Pillow and native Python libraries to facilitate file i/o and image manipulation.

Primitive Cancer Cell Counter

January 2023

- A Python and Pillow based tool to facilitate the counting of brain cancer cells for university research.
- Counted the number of highlighted cells and marked where they were selected for error checking.

ACTIVITIES

Computer Science House - Special Interest Group at RIT

August 2023 - Present

- Engaged in weekly educational seminars and social events.
- Conceptualized and completed a yearly Major Project to improve personal technical skills

FIRST LEGO League Mentor

August 2019 - Present

- Mentoring the next generation of STEM professionals.
- Instructed programming principles remotely and in person.